

PART THREE: HOUSING INFRASTRUCTURE

This part presents detailed characteristics of Rhode Island's housing infrastructure. Most category headings should be self-explanatory, but some may require definition or clarification. Three tables present counts of housing units by type of heating fuel, source of water, and type of sewage disposal system. The following definitions were used by the Census Bureau to compile and tabulate the data:

Home heating fuel represents the type of fuel used *most* to heat the dwelling.

A common source supplying water to five or more units is classified as a "public system" or "private company." The water may be supplied by a city, county, water district, water company, etc., or it may be obtained from a well which supplies water to five or more housing units. If the water is supplied from a well serving fewer than five housing units, the units are classified as having water supplied by either an "individual drilled well" or an "individual dug well." The category "some other source" includes water obtained from springs, creeks, rivers, lakes, cisterns, etc. The 2000 census did not collect data on source of water. Data reported from the 1990 census is the most current information available.

Housing units are either connected to a public sewer, a septic tank or cesspool, or are served by other means not specified. A public sewer may be operated by a government entity or a private organization. A housing unit is considered to be connected to a septic tank or cesspool when the unit is provided with an underground pit or tank for sewage disposal. The 2000 census did not collect data on sewage disposal systems. Data reported from the 1990 census is the most current information available.

The National Flood Insurance Program reports that 11,437 flood insurance policies averaging \$152,281 in insurance coverage, are in effect in Rhode Island as of 2002. Payments on claims filed on Rhode Island properties in 2002 total \$19,196,061. The table presenting National Flood Insurance data by city and town for 2002 is accompanied by a map depicting Flood Hazard Areas within the 100 year flood zone for the State of Rhode Island.

A table appearing in this publication for the first time presents data relating to Rhode Island's farms and farmland. This table traces changes in the number of farms, total farmland, and average size of farms in five-year intervals from 1987 to 1997.

Another new table provides information on State Aid to Cities and Towns through the Distressed Communities Relief Program, General Revenue Sharing, Payments in Lieu of Tax Exempt Property, and Public Service Corporations Tax.

**SOURCE OF WATER
BY CITY AND TOWN
RHODE ISLAND 1990 ***

Universe: All Housing Units

City/Town	Public System or Private Company	Individual Drilled Well	Individual Dug Well	Other Source **
Barrington	5,513	222	74	13
Bristol	7,249	632	78	0
Burrillville	2,604	2,584	489	74
Central Falls	7,275	30	20	12
Charlestown	319	2,897	992	48
Coventry	8,943	2,257	568	20
Cranston	30,047	419	43	7
Cumberland	10,253	807	143	14
East Greenwich	4,092	460	106	5
East Providence	20,742	44	13	9
Exeter	72	1,554	272	21
Foster	45	1,039	417	24
Glocester	168	2,729	557	6
Hopkinton	221	1,772	641	28
Jamestown	1,293	1,162	62	0
Johnston	8,924	1,266	194	0
Lincoln	6,770	426	85	0
Little Compton	48	1,470	327	5
Middletown	5,954	910	234	24
Narragansett	8,024	156	26	0
Newport	13,090	4	0	0
New Shoreham	196	816	176	88
North Kingstown	8,771	418	128	19
North Providence	14,115	7	4	8
North Smithfield	1,342	2,133	356	4
Pawtucket	31,575	16	6	18
Portsmouth	6,929	227	33	28
Providence	66,620	98	13	63
Richmond	114	1,484	251	25
Scituate	459	2,545	508	8
Smithfield	5,240	893	159	16
South Kingstown	6,977	1,927	776	126
Tiverton	3,404	1,990	260	21
Warren	4,165	538	83	0
Warwick	35,052	75	14	0
Westerly	10,111	328	82	0
West Greenwich	286	892	183	9
West Warwick	12,329	136	23	0
Woonsocket	18,653	71	6	9
STATE TOTAL	367,984	37,434	8,402	752

* The 2000 census did not collect data on source of water. Data reported from the 1990 census is the most current information available.

** Includes water obtained from springs, creeks, rivers, lakes, cisterns, etc.

Source: U.S. Census Bureau

SOURCE OF WATER 1990

**PUBLIC WATER SYSTEMS
BY CITY AND TOWN
RHODE ISLAND 2003**

City/Town	Public Water Systems
Barrington	Bristol County Water Authority
Bristol	Bristol County Water Authority
Burrillville	Eleanor Slater Hospital/Zambarano Glendale Water Association Harrisville Fire District Maplehill Mobile Home Park Mmohegan Water Association Nasonville Water District Oakland Water Association Pascoag Utility District
Central Falls	Pawtucket Water District
Charlestown	Border Hill Mobile Home Park Castle Rock Condominiums Central Beach Fire District Indian Cedar Mobile Home Park Ninigret Realty Quonochontaug East Beach Water Assoc. Shady Harbor Fire District
Coventry	Alpine Nursing Home Kent County Water Authority Woodland Homeowner's Association Woodpecker Hill Nursing Home
Cranston	Kent County Water Authority Providence Water District
Cumberland	Cumberland Water District Pawtucket Water District
East Greenwich	Kent County Water Authority
East Providence	East Providence Water District
Exeter	Camp E-Hun-Tee Mobile Village Park Shady Acres Split Rock Corporation
Foster	Abbey Lane Community Association Hemlock Village Nancy Ann Nursing Home
Glocester	Brandy Acres Davis Mobile Home Park Harmony Hill School Hemlock Estates Laurel Crest Housing
Hopkinton	Bethel Village Water Association Canonchet Cliffs Water Association Linhbrook Water Company
Jamestown	Jamestown Water Department
Johnston	Providence Water District Johnston Water Control Facility
Lincoln	Lincoln Water District
Little Compton	(none)
Middletown	Meadowlark, Inc. Newport Water District

City/Town	Public Water Systems
Narragansett	Narragansett Water Dept. - North End Narragansett Water Supply - Jerusalem Narragansett Water System - Point Judith United Water of Rhode Island
Newport	Naval Station Newport Water District United States Navy
New Shoreham	Block Island Water Co.
North Kingstown	North Kingstown Water District
North Providence	Providence Water District
North Smithfield	Deerfield Commons Slatersville Public Supply Woodland Convalescent Center Woonsocket Water Department
Pawtucket	Pawtucket Water District
Portsmouth	Portsmouth Water & Fire District Prudence Island Utility Corporation
Providence	Providence Water District
Richmond	Richmond Water Supply Board Shannock Cooperative Water Association
Scituate	Harris Manor at Chopmist Hill Scituate Commons
Smithfield	East Smithfield Water District Greenville Water Association Hebert Nursing Home Smithfield Water Supply Board
South Kingstown	Hilldale Housing Cooperative Kingston Water District South Kingstown Nursing & Rehab. Center South Kingstown - Middlebridge South Kingstown - South Shore United Water of Rhode Island University of Rhode Island
Tiverton	Four Seasons Mobile Home Park CO-OP Heritage Park Home CO-OP Lawrence Sunset Cove Association North Tiverton Fire District Stone Bridge Fire District Tiverton Water Authority
Warren	Bristol County Water Authority Touisset Point Water Trust
Warwick	Kent County Water Authority Warwick Water District Warwick-Potowomut
Westerly	Westerly Water Department
West Greenwich	Blueberry Heights Mobile Home Park Kent County Water Authority
West Warwick	Kent County Water Authority
Woonsocket	Woonsocket Water Department

Source: Rhode Island Department of Health

WATER DISTRICTS 2003

**FLOOD INSURANCE
BY CITY AND TOWN
RHODE ISLAND 2002**

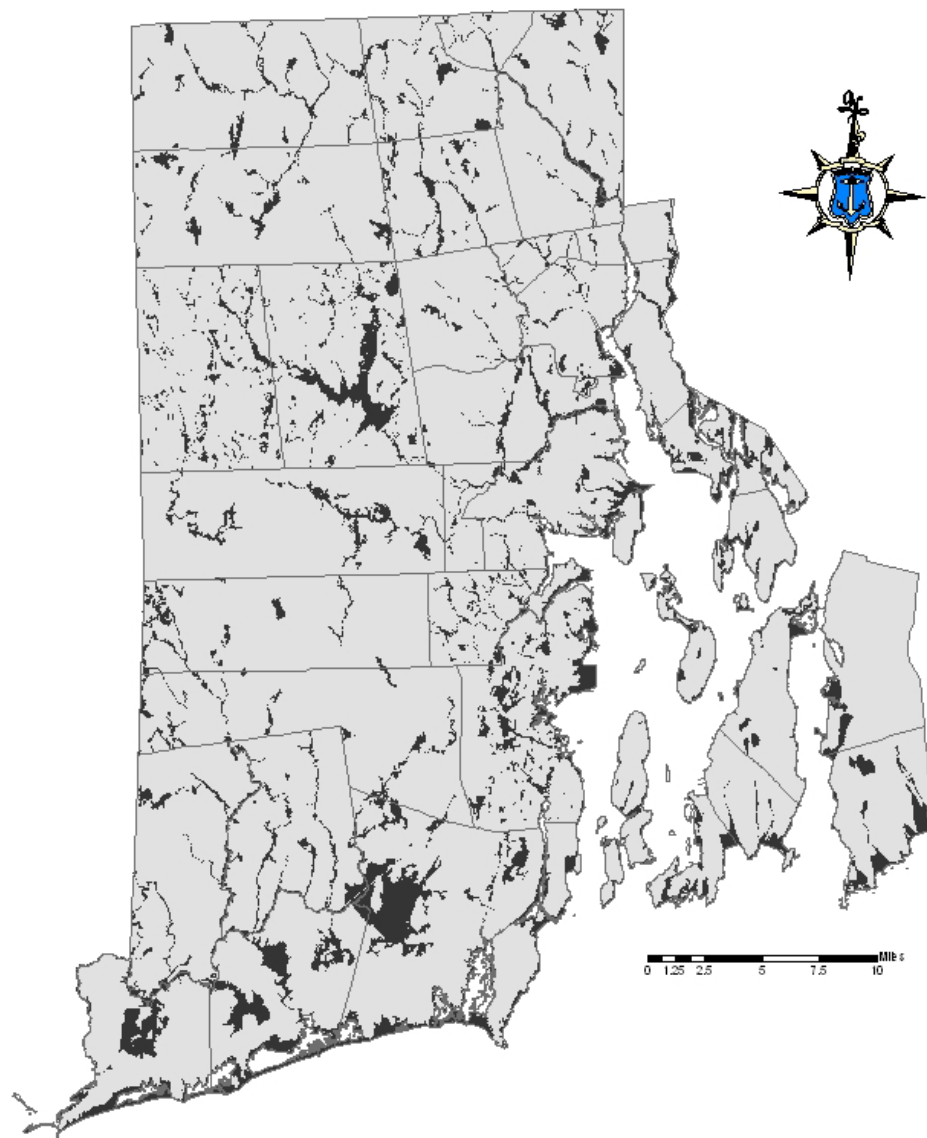
City/Town	Policies in Force	Insurance in Force	Number of Losses	Total Payments
Barrington	754	\$144,064,400	166	\$271,163
Bristol	381	\$55,872,100	83	\$571,416
Burrillville	16	\$2,391,400	3	\$55,488
Central Falls	4	\$496,800	15	\$371,055
Charlestown	689	\$124,541,700	94	\$510,109
Coventry	60	\$8,916,800	16	\$29,199
Cranston	329	\$54,234,200	133	\$658,521
Cumberland	25	\$6,537,100	23	\$238,365
East Greenwich	111	\$18,058,200	30	\$138,277
East Providence	226	\$36,767,700	38	\$105,215
Exeter	5	\$803,000	0	\$0
Foster	3	\$534,200	1	\$0
Glocester	22	\$2,576,800	2	\$1,001
Hopkinton	11	\$1,809,900	4	\$8,284
Jamestown	166	\$29,570,900	26	\$20,113
Johnston	35	\$5,825,100	26	\$478,221
Lincoln	188	\$16,610,600	36	\$297,253
Little Compton	109	\$20,518,600	25	\$279,178
Middletown	97	\$18,813,500	21	\$95,722
Narragansett	1,109	\$182,989,100	173	\$1,977,908
Newport	1,148	\$144,698,100	147	\$1,503,806
New Shoreham	53	\$10,704,800	7	\$125,699
North Kingstown	700	\$118,620,800	122	\$176,933
North Providence	111	\$15,260,000	55	\$637,339
North Smithfield	18	\$2,458,100	3	\$188,272
Pawtucket	95	\$8,379,800	20	\$309,747
Portsmouth	652	\$79,680,200	131	\$388,422
Providence	162	\$44,885,400	212	\$4,031,369
Richmond	16	\$3,671,200	7	\$12,766
Scituate	10	\$1,235,900	11	\$40,071
Smithfield	37	\$7,096,300	9	\$61,148
South Kingstown	809	\$110,350,000	153	\$701,824
Tiverton	145	\$23,740,100	73	\$309,395
Warren	387	\$45,849,600	58	\$179,651
Warwick	1,654	\$195,293,800	381	\$918,783
Westerly	977	\$178,507,100	308	\$3,019,926
West Greenwich	3	\$226,200	0	\$0
West Warwick	103	\$9,553,800	45	\$458,217
Woonsocket	17	\$9,494,200	3	\$26,205
STATE TOTAL	11,437	\$1,741,637,500	2,660	\$19,196,061 *

* Rounded

Source: National Flood Insurance Program, Policy & Loss Statistics, 2002

FLOOD INSURANCE 2002



Rhode Island Flood Hazard Areas



RIGIS
City of Providence
06/05/03



Map Legend

-  100 Year Flood Zone
-  Town Boundaries

**SEWAGE DISPOSAL SYSTEMS
BY CITY AND TOWN
RHODE ISLAND 1990 ***

Universe: All Housing Units

City/Town	Public Sewer	Septic Tank or Cesspool	Other Means
Barrington	5,781	37	4
Bristol	7,464	460	35
Burrillville	2,531	3,082	138
Central Falls	7,149	55	133
Charlestown	140	4,028	88
Coventry	1,411	10,353	24
Cranston	27,550	2,925	41
Cumberland	5,429	5,759	29
East Greenwich	1,677	2,981	5
East Providence	20,225	534	49
Exeter	60	1,826	33
Foster	45	1,480	0
Glocester	72	3,327	61
Hopkinton	123	2,506	33
Jamestown	1,090	1,396	31
Johnston	6,627	3,703	54
Lincoln	5,165	2,099	17
Little Compton	23	1,757	70
Middletown	6,221	857	44
Narragansett	4,694	3,506	6
Newport	12,812	252	30
New Shoreham	291	957	28
North Kingstown	1,447	7,845	44
North Providence	13,890	213	31
North Smithfield	1,052	2,712	71
Pawtucket	30,969	603	43
Portsmouth	1,125	6,027	65
Providence	65,999	379	416
Richmond	0	1,858	16
Scituate	131	3,255	134
Smithfield	4,479	1,829	0
South Kingstown	3,343	6,199	264
Tiverton	357	5,278	40
Warren	4,235	545	6
Warwick	14,575	20,451	115
Westerly	5,619	4,895	7
West Greenwich	18	1,339	13
West Warwick	11,786	696	6
Woonsocket	18,296	406	37
STATE TOTAL	293,901	118,410	2,261

* The 2000 census did not collect data on sewage disposal. Data reported from the 1990 census is the most current information available.

Source: U.S. Census Bureau

SEWAGE DISPOSAL 1990

HOME HEATING FUEL

BY CITY AND TOWN

RHODE ISLAND 2000

City/Town	NUMBER OF HOUSING UNITS HEATED WITH:								
	Utility Gas	Bottled, Tank, or LP Gas	Electricity	Fuel Oil, Kerosene, etc.	Coal or Coke	Wood	Solar Energy	Other Fuel	No Fuel Used
Barrington	3,327	43	131	2,475	0	35	0	0	0
Bristol	2,916	157	852	4,314	17	37	0	13	8
Burrillville	72	327	272	4,714	7	153	0	14	0
Central Falls	4,902	306	434	1,026	0	7	0	15	6
Charlestown	28	214	584	2,119	3	226	0	2	2
Coventry	3,551	335	947	7,429	17	294	0	24	0
Cranston	17,640	291	1,216	11,460	0	87	16	116	128
Cumberland	5,683	168	694	5,581	0	48	0	24	0
East Greenwich	2,102	57	212	2,535	6	42	6	0	0
East Providence	10,255	356	1,809	8,009	0	37	0	8	56
Exeter	105	83	164	1,575	9	140	0	9	0
Foster	16	102	34	1,192	0	186	0	5	0
Glocester	45	248	135	2,912	0	193	7	19	0
Hopkinton	41	127	206	2,345	6	233	0	7	0
Jamestown	0	127	360	1,773	0	75	24	0	0
Johnston	5,677	225	803	4,444	0	9	11	30	0
Lincoln	4,564	113	634	2,818	25	67	0	15	7
Little Compton	0	112	89	1,182	7	72	0	13	0
Middletown	2,346	139	686	3,704	0	38	15	39	26
Narragansett	2,023	574	1,216	2,821	7	175	0	21	9
Newport	4,502	171	1,354	5,410	5	7	6	75	36
New Shoreham	0	30	5	415	3	13	0	6	0
North Kingstown	5,138	275	714	3,874	0	135	0	18	0
North Providence	9,120	169	1,533	3,478	0	7	0	27	17
North Smithfield	840	45	108	2,879	0	67	0	15	0
Pawtucket	18,638	908	1,845	8,392	21	54	0	126	63
Portsmouth	1,132	109	755	4,660	17	40	0	13	32
Providence	39,639	1,883	4,778	15,636	30	0	0	237	186
Richmond	29	207	185	1,956	0	146	6	8	0
Scituate	132	87	100	3,321	15	125	0	0	0
Smithfield	2,656	100	675	3,667	22	64	0	8	0
South Kingstown	1,789	396	1,025	5,690	16	305	17	24	6
Tiverton	442	301	430	4,799	0	83	6	16	0
Warren	2,038	65	428	2,142	0	23	0	6	6
Warwick	20,502	325	2,388	11,976	36	135	0	103	52
Westerly	2,399	293	1,532	5,049	6	100	0	16	7
West Greenwich	12	91	58	1,488	0	93	0	0	6
West Warwick	4,812	318	856	6,363	17	20	0	62	50
Woonsocket	10,015	385	944	6,233	31	38	0	61	43
STATE TOTAL	189,128	10,262	31,191	171,856	323	3,609	114	1,195	746

<p style="text-align: center;">FARMS AND FARMLAND BY COUNTY RHODE ISLAND 1987, 1992 & 1997</p>

County	NUMBER OF FARMS			TOTAL LAND IN FARMS (ACRES)			AVERAGE SIZE OF FARMS (ACRES)		
	1987	1992	1997	1987	1992	1997	1987	1992	1997
Bristol County	27	27	37	1,703	1,468	1,710	63	54	46
Kent County	64	70	74	6,621	5,636	6,437	103	81	87
Newport County	137	120	139	10,356	9,631	10,413	76	80	75
Providence County	267	232	255	15,842	12,408	14,733	59	53	58
Washington County	206	200	230	24,163	20,458	21,963	117	102	95
Rhode Island	701	649	735	58,685	49,601	55,256	84	76	75

Source: USDA National Agricultural Statistics Service, 1997 Census of Agriculture

FARMS & FARMLAND 2000

**STATE AID TO CITIES AND TOWNS
RHODE ISLAND
FY'2001**

City/Town	Distressed Communities Relief Program	General Revenue Sharing	Payment In Lieu of Tax Exempt Property	Public Service Corporations Tax	FY 2001 Total State Aid
Barrington		\$128,989	\$57,750	\$201,992	\$388,732
Bristol		\$468,591	\$354,501	\$275,606	\$1,098,699
Burrillville		\$367,366	\$69,349	\$206,848	\$643,562
Central Falls	\$167,507	\$702,830	\$18,708	\$224,780	\$1,113,825
Charlestown		\$142,757		\$82,561	\$225,317
Coventry		\$521,567		\$396,146	\$917,713
Cranston		\$2,022,479	\$2,402,298	\$969,369	\$5,394,146
Cumberland		\$287,202	\$1,188	\$370,083	\$658,473
East Greenwich		\$84,417	\$2,303	\$151,217	\$237,937
East Providence		\$1,177,031	\$59,125	\$642,082	\$1,878,239
Exeter		\$85,047		\$69,599	\$154,646
Foster		\$131,240	\$250	\$55,007	\$186,496
Glocester		\$237,009		\$117,596	\$354,605
Hopkinton		\$135,771		\$87,595	\$223,366
Jamestown		\$102,844	\$4	\$63,711	\$166,559
Johnston		\$1,057,692		\$338,272	\$1,395,965
Lincoln		\$469,082		\$229,980	\$699,061
Little Compton		\$45,194		\$42,555	\$87,749
Middletown		\$401,291		\$248,014	\$649,304
Narragansett		\$364,548		\$190,981	\$555,528
Newport		\$900,965	\$510,914	\$359,747	\$1,771,626
New Shoreham		\$33,314		\$10,655	\$43,969
North Kingstown		\$370,562	\$4,101	\$303,148	\$677,810
North Providence		\$984,934	\$119,513	\$408,980	\$1,513,427
North Smithfield		\$261,725	\$45,541	\$133,782	\$441,048
Pawtucket	1,147,078	\$2,135,866	\$458,446	\$925,832	\$4,667,223
Portsmouth		\$272,193		\$214,839	\$487,032
Providence	\$3,586,430	\$6,404,973	\$10,543,351	\$2,048,444	\$22,583,198
Richmond		\$68,330	\$401	\$68,197	\$136,928
Scituate		\$177,513		\$124,848	\$302,361
Smithfield		\$763,641	\$399,870	\$244,228	\$1,407,740
South Kingstown		\$518,341	\$94,971	\$313,917	\$927,229
Tiverton		\$289,011		\$182,403	\$471,414
Warren		\$231,668		\$145,099	\$376,768
Warwick		\$2,421,187	\$656,901	\$1,088,749	\$4,166,837
Westerly		\$326,563	\$112,309	\$275,351	\$714,223
West Greenwich		\$75,056		\$44,505	\$119,560
West Warwick	609,502	\$739,312		\$373,014	\$1,721,829
Woonsocket	\$651,982	\$1,669,692	\$153,794	\$559,203	\$3,034,672
TOTAL STATE	\$6,162,500	\$27,577,796	\$16,065,588	\$12,788,935	\$62,594,819

Formula data for some communities remains incomplete - distribution among communities is subject to change.

Distressed aid includes August 1999 payment and estimate for March 2000.

General Revenue Sharing is current estimate to be paid in March 2000.

Payment in lieu column denotes amount distributed in July 1999.

Public Service Corporation Tax is amount distributed in July 1999.

Source: RI Department of Administration, Office of Municipal Affairs

STATE AID FY2001